



Wombat (FLW) LED FLOOD LIGHT 50W-280W

5Million+ Units LED Products Sales
100+ Patent Certificates
\$1,000,000+ Annual Energy Saving
10,000+ Projects Successfully Installed

**Better Performance
Starts From Better Lighting**
www.aokledlighting.com

> Features of FLW Series

• Wombat (FLW) LED Flood Light is an efficient LED solution that efficiently illuminates fields, creating brighter and better lighting for community large areas, tall or wide buildings, and recreational parks. It's also suitable for outdoor wet locations, for ground mounting as well. With its low energy consumption and high efficiency, this easy-to-install and low-maintenance lighting solution is an ideal choice for industrial and commercial applications.

Features:

- System efficacy up to 150 lm/W;
- Adjustable CCT & Power;
- Sturdy die-cast aluminum housing, black powder coating finish, custom color on request;
- Integrated lens, energy-saving and high efficiency, no glare;
- Optional distribution: 7H*7V (130°x130°), custom optics on request;
- A variety of mounting options: Knuckle/Trunnion/Slipfitter/Yoke;
- UL, FCC listed, suitable for wet locations.

Benefits:

- High energy savings >60% compared to traditional HPS/MHLLight;
- Flexible solution reduces SKUs, increases turns, and drives profitability.

UP TO 150 lm/W	Adjustable • 3000K • 4000K • 5000K	CRI 70/80	100-277V OR 277-480V 50/60HZ	Working Temperature Environment -40°C~50°C (-40°F~+122°F)
L90B10 >52000 hrs @ 25°C	IP66	IK09	DIM	

Note: Normal Voltage=100-277VAC, High Voltage=277-480VAC, please evaluate before choosing. For the power supply in the United States and Canada, in case the input voltage fluctuation $\geq 240V$ the High Voltage solution is highly recommended for performance stability. Improper selection will cause damage to the driver or the light.



Change at the flip of a switch

> Application Reference

- Backyards
- Recreational parks
- Buildings and walls
- Ground areas and other wet locations

Multiple mounting options can be installed in various scenarios.



50W-60W
Trunnion Mount



50W-60W
Knuckle Mount



70W-280W
Slipfitter Mount



70W-280W
Yoke Mount



Parameter Table

Electrical Specifications								
Model	AOK-FLW50	AOK-FLW60	AOK-FLW70	AOK-FLW100	AOK-FLW150	AOK-FLW200	AOK-FLW240	AOK-FLW280
Power(w)	50	60	70	100	150	200	240	280
Input voltage	Normal Voltage=100-277VAC, High Voltage=277-480VAC, please read *Note-1 before choosing							
PF	≥0.95	≥0.95	≥0.90	≥0.90	≥0.90	≥0.92	≥0.95	≥0.95
Driver Efficiency	≥87%	≥87%	≥86%	≥86%	≥89%	≥89%	≥88%	≥91.5%
Maximum Current	AC0.7 A	AC0.7 A	AC1.0A	AC1.2 A	AC1.68 A	AC2.24 A	AC2.8 A	AC3.7A
Control option	Driver includes wiring for 0-10V dimming systems. Dim as low as 10%.							
Operating temperature	-40°C to 50°C (-40 °F to 122 °F)				-40°C to 40°C (-40 °F to 104 °F)			
Surge Protection	10KV SPD				6KV SPD			
Photometric Specifications								
Efficacy (lm/W,Std. Dev. ±5%)	145	145	150	145	145	140	145	145
Luminous flux(lm)@CRI 70Ra, 5000K, Std. Dev. ±5%	7250	8700	10500	14500	21750	28000	34800	40600
CCT	3000K, 4000K, 5000K							
CRI	70Ra, 80Ra							
LED model	2835							
Lens	Polycarbonate							
Beam angle	7H*7V							
Mechanical Specifications								
IP/IK	IP66/IK09, according to standard EN 60529 and EN 62262							
Housing	Heavy-duty die-cast aluminum (EN AC-46100)							
Heat Radiator	Aluminum alloy							
Surface treatment	Anti-UV thermosetting polyester / Anti-UV thermosetting polyester (for extremely corrosive environments).							
Painting	Black, Custom request							
Cable	Pre-wired with a 30 cm cable (Other lengths on request)							
Mounting	Knuckle/ Trunnion				Slipfitter/Yoke			
Package Info								
Product Size	Knuckle/Slipfitter	271.5*242.4*65.5mm / 10.69*9.54*2.58 inches	340.8*391.4*66.5mm / 13.42*15.41*2.62 inches	390.8*422.4*74.5mm / 15.39*16.63*2.93 inches				
	Trunnion/Yoke	286.5*227.2*65.5mm / 11.28*8.94*2.58 inches	340.8*309.4*66.5mm / 13.42*12.18*2.62 inches	390.8*340.4*74.5mm / 15.39*13.4*2.93 inches	390.8*340.4*74.5mm / 15.39*13.4*2.93 inches	390.8*340.4*74.5mm / 15.39*13.4*2.93 inches	390.8*340.4*74.5mm / 15.39*13.4*2.93 inches	390.8*340.4*74.5mm / 15.39*13.4*2.93 inches
Net Weight	Knuckle/Slipfitter	1.65kg / 3.64 lbs	4.17kg / 9.19 lbs	4.22kg / 9.30 lbs	5.3kg / 11.68 lbs	5.4kg / 11.90 lbs	6.27kg / 13.82 lbs	6.61kg / 14.57 lbs
	Trunnion/Yoke	2kg / 4.41 lbs	3.95kg / 8.71 lbs	4kg / 8.82 lbs	5kg / 11.02 lbs	5.11kg / 11.27 lbs	6.01kg / 13.25 lbs	6.36kg / 14.02 lbs
Carton Size	Knuckle/Slipfitter	325*278*115mm / 12.79*10.95*4.52 inches	456*410*130mm / 17.95*16.14*5.12 inches	488*460*130mm / 19.21*18.11*5.12 inches				
	Trunnion/Yoke	325*278*115mm / 12.79*10.95*4.52 inches	410*376*115mm / 16.14*14.8*4.52 inches	460*400*130mm / 18.11*15.74*5.12 inches	460*400*130mm / 18.11*15.74*5.12 inches	460*400*130mm / 18.11*15.74*5.12 inches	460*400*130mm / 18.11*15.74*5.12 inches	460*400*130mm / 18.11*15.74*5.12 inches
Gross Weight	Knuckle/Slipfitter	2.06kg / 4.54 lbs	4.97kg / 10.96 lbs	5.02kg / 11.07 lbs	6.1kg / 13.45 lbs	6.2kg / 13.67 lbs	7.26kg / 16.00 lbs	7.6kg / 16.76 lbs
	Trunnion/Yoke	2.4kg / 5.29 lbs	4.57kg / 10.08 lbs	4.62kg / 10.19 lbs	5.9kg / 13.00 lbs	6.01kg / 13.25 lbs	6.81kg / 15.01 lbs	7.15kg / 15.76 lbs
Others								
Lifespan	L90B10 - 52000 h, @Tq 25°C							
Warranty	5 years limited warranty							
Certification	UL,DLC5.1,FCC							
Important note!	The provided information is solely for reference; the official measurement report holds higher authority.							

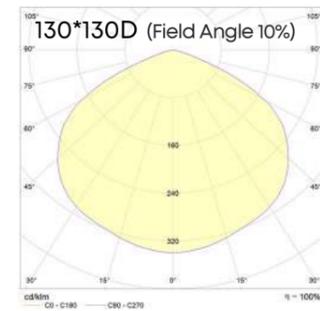
* Note-1: For the power supply in the United States and Canada, in case the input voltage fluctuation ≥240V the High Voltage solution is highly recommended for performance stability. Improper selection will cause damage to the driver or the light.

Ordering Information

AOK-	WATTS	VOLTAGE	LED CHIPS	TYPE OF SENSOR	CCT&CRI	DISTRIBUTION	MOUNT	COLOR
FLW50	NV=100-277V	L2=LUMILEDS 2835	00=NONE	XX70=3000K-5000K 70CRI	130=130*130D	K=Knuckle*	BK=Black	
FLW60	HV=277-480V		DV=Dimmable	XX80=3000K-5000K 80CRI		T=Trunnion*	Custom request	
FLW70			PIR=PIR sensor			SF=Slipfitter*		
FLW100			PH=Photocell			Y=Yoke*		
FLW150								
FLW200								
FLW240								
FLW280								

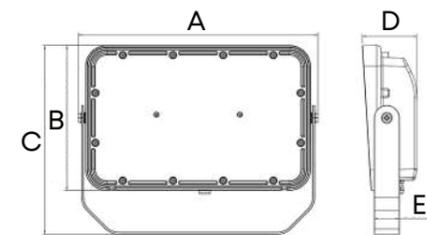
* Knuckle and Trunnion is for 50w-60w, Slipfitter and Yoke is for 70w-280w. XX70/XX80, 'XX' stands for adjustable CCT.

Photometrics



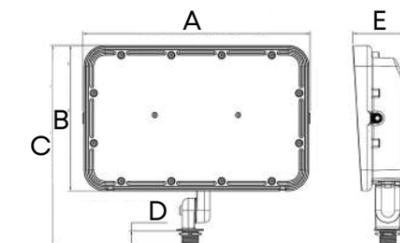
Dimension

50W-60W Trunnion Mount



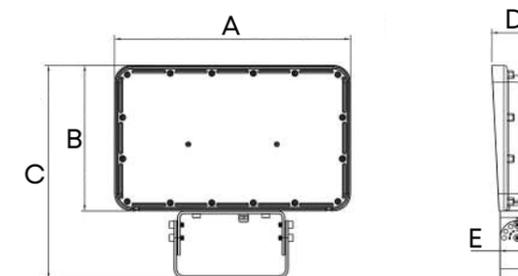
A	B	C	D	E
50W-60W (Trunnion Mount)				
286.50mm (11.28")	174.32mm (6.86")	227.20mm (8.94")	65.50mm (2.58")	30.00mm (1.18")

50W-60W Knuckle Mount



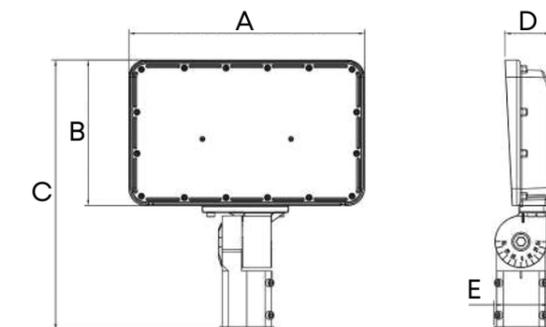
A	B	C	D	E
50W-60W (Knuckle Mount)				
271.50mm (10.69")	174.32mm (6.86")	242.40mm (9.54")	20mm (0.79")	65.50mm (2.58")

70W-280W Yoke Mount



A	B	C	D	E
70W-100W (Yoke Mount)				
340.82mm (13.42")	211.32mm (8.32")	309.41mm (12.18")	66.50mm (2.62")	50.00mm (1.97")
150W-200W (Yoke Mount)				
390.82mm (15.39")	242.32mm (9.54")	340.41mm (13.40")	74.46mm (2.93")	50.00mm (1.97")
240W-280W (Yoke Mount)				
390.80mm (15.39")	242.30mm (9.54")	340.40mm (13.40")	87.00mm (3.42")	50.00mm (1.97")

70W-280W Slipfitter Mount



A	B	C	D	E
70W-100W (Slipfitter Mount)				
340.80mm (13.42")	211.32mm (8.32")	391.40mm (15.41")	66.50mm (2.62")	78.00mm (3.07")
150W-200W (Slipfitter Mount)				
390.82mm (15.39")	242.32mm (9.54")	422.36mm (16.63")	74.46mm (2.93")	78.00mm (3.07")
240W-280W (Slipfitter Mount)				
390.80mm (15.39")	242.30mm (9.54")	422.40mm (16.63")	87.00mm (3.42")	78.00mm (3.07")

FLW-Wombat Series Specification Sheet

*Due to the constant improvements in product development, individual parameters might change. Please refer to our sales or R&D team for most up-to-date content as specifications are subject to change without notice.

wally@aokledlight.com
+1 626-986-4050 (US)
+86 755 2357 9148 (CN)

©2023 AOK LED LIGHT CO., LTD. All Right Reserved.





Illuminate Your Future



WARRANTY

5 Year Limited Warranty,
Warranty extension on request.
Please consult with our sales for detailed agreement.

wally@aokledlight.com
www.aokledlight.com
+1 626-986-4050 (US)
+86 755 2357 9148 (CN)

Manufacturing: Building 1 & 4, St. George's Science and Technology Industrial Park, Shajing Street, Shenzhen, China, 518124.
Fuzhou HQ: Room 301, Yujing Business Center Zone 1, No. 12 Baihuazhou road, Cangshan district, Fuzhou, China, 350007
NorthAmerica HQ: 18541 E Gale Ave, City of Industry, CA91748 USA

Copyright ©2023 AOK LED LIGHT CO., LTD. All Right Reserved.